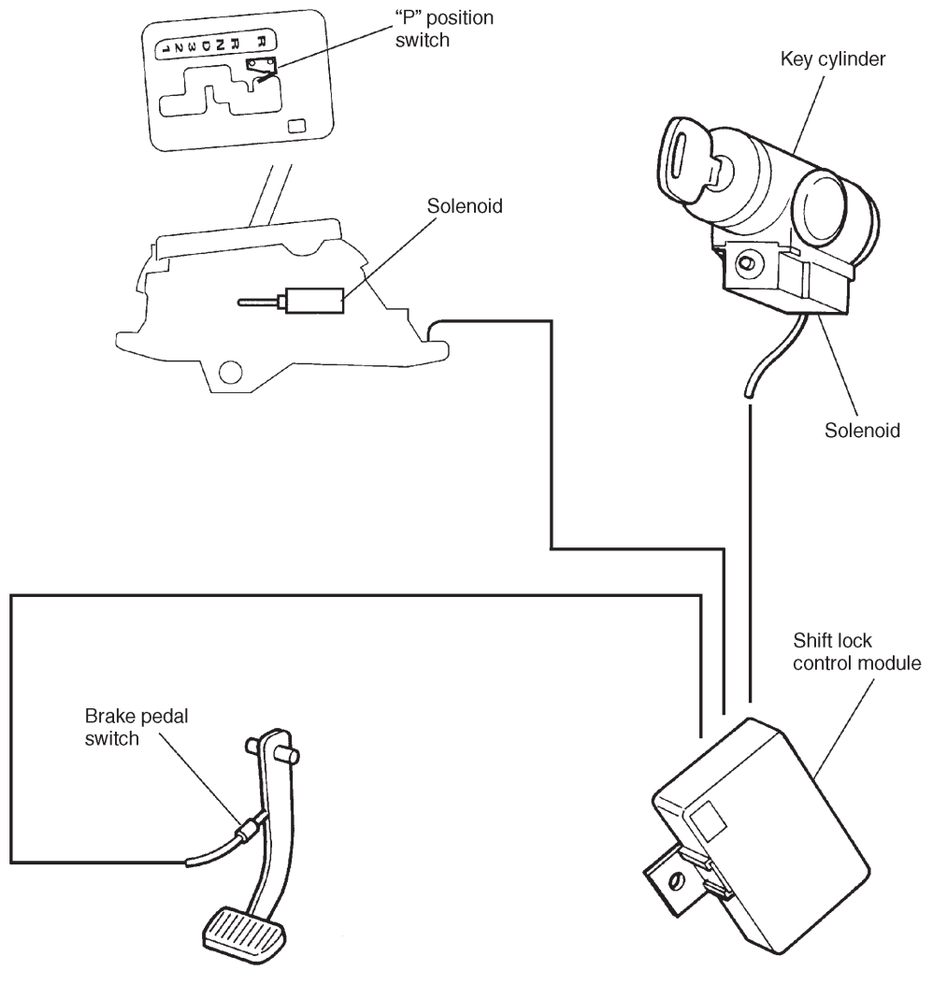
3. Shift Lock System (With Key Interlock)

A: GENERAL

To increase safety during “standing start”, a shift lock system is utilized to prevent shifting of the selector lever from “P” to any other position unless the brake pedal is depressed. This system is also provided with a key interlock which prevents removal of the ignition key from the key cylinder unless the selector lever is set at “P”.

Shift lock system **Key interlock system**



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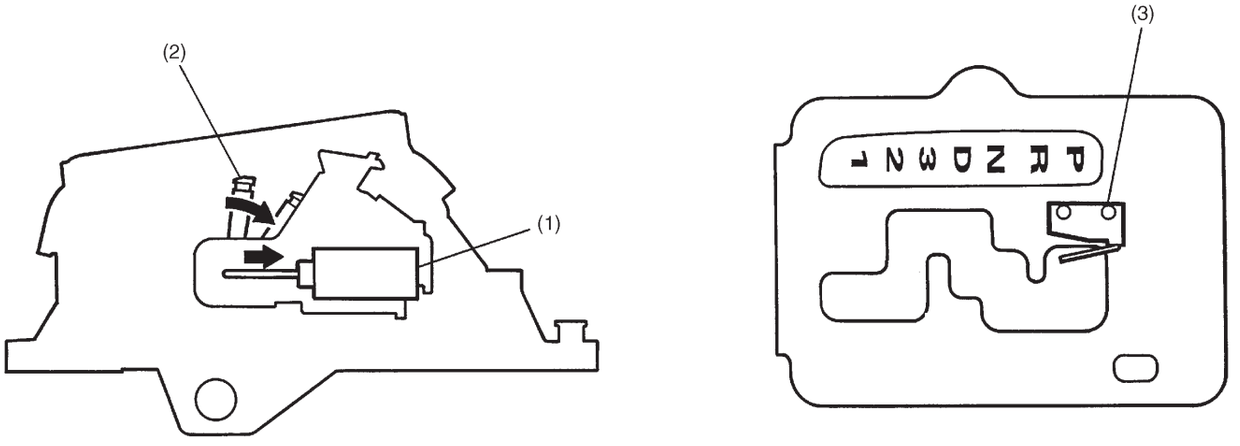
B: SHIFT LOCK SYSTEM

The selector lever can be moved from “P” to any other position in the following cases:
When the brake pedal is depressed with the ignition switch in either ON or START position; this operates the solenoid (1), causing the lock arm (2) to fall forward. In this condition, the selector lever is operable. The ignition key can be rotated from the “ACC” to the “LOCK” position and then removed from its key cylinder only when the selector lever is set at “P”.



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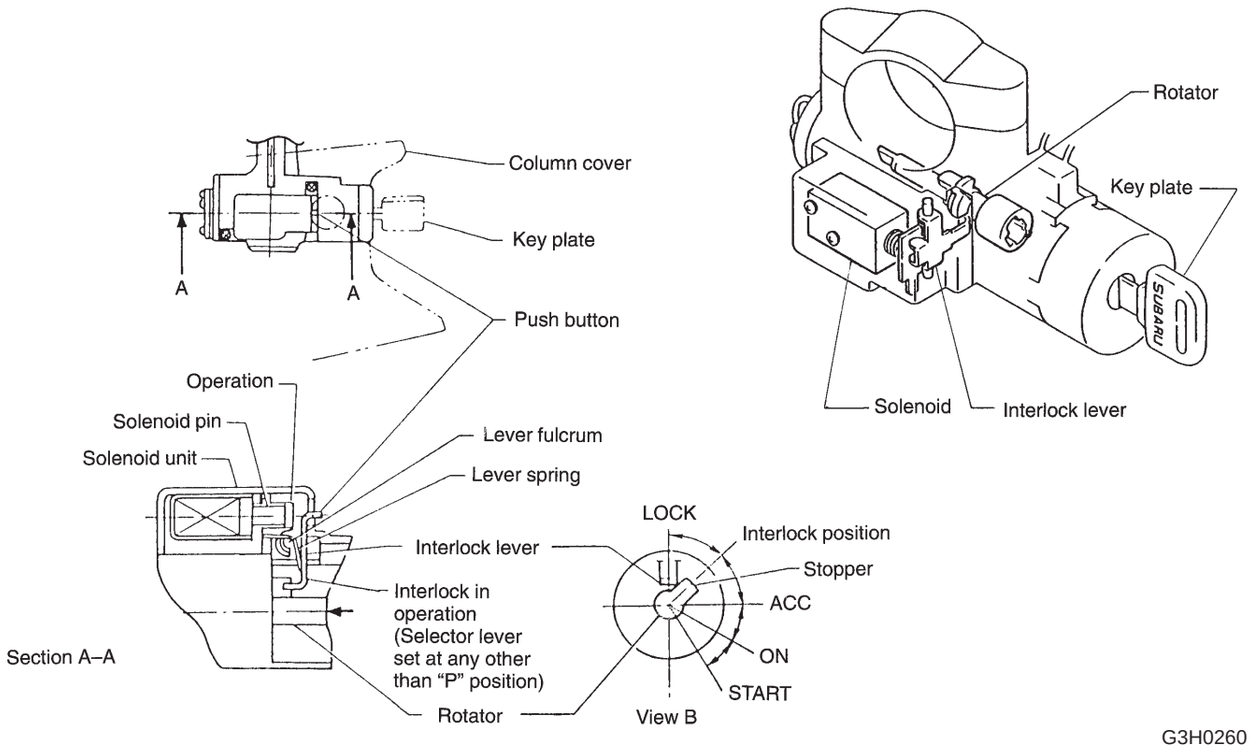
(1) Solenoid:
Activates to release shift lock when the brake pedal is depressed so that selector lever can be moved from “P” to any other position.

(2) Lock arm:
Directly restricts the movement of the select lever when the shift lock is active. When the solenoid is operated, it releases the shift lock, making it possible to operate the selector lever.

(3) “P” position switch:
Detects “P” position of select lever.

C: KEY INTERLOCK

● When the selector lever is set at any position other than “P”, the solenoid pin is ready for operation so that the interlock lever comes in contact with the rotator which turns together with the key plate. Thus, the ignition key is prevented from rotating up to the “LOCK” position.



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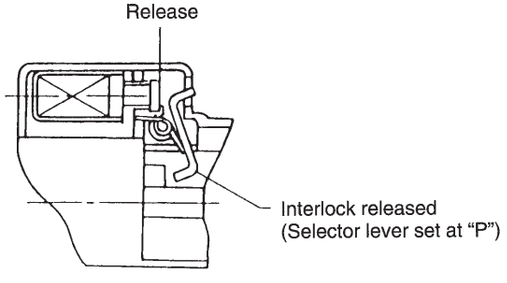
● When the selector lever is moved to “P”, P position switch in the selector lever assembly turned ON, and the solenoid pin moves to the release position so that the lever spring disengages the interlock lever from the rotator’s stopper. As a result, the key plate can be rotated to the “LOCK” position. The key plate can be inserted into or removed from the “LOCK” position only.



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